U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			
AMENDMENT UNDER 37 C.F.R. §1.312		Docket Number: 2345/131	
Application Number 09/720,616	Filing Date December 26, 2000	Examiner Anil KHARTI	Art Unit 2191
Title **METHOD FOR VERIFYING SAFETY PROPERTIES OF JAVA BYTE CODE PROGRAMS**		Applicant(s) Joachim POSEGGA et al.	

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P.O. Box 1450
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Date: November 21, 2006

Signature: Linda Shudy Lecomte

Linda Shudy Lecomte (Reg. No. 47,084)

SIR:

In response to the Notice of Allowability dated August 21, 2006, in the above-identified patent application, please amend the above-identified patent application as follows:

IN THE SPECIFICATION:

Please amend paragraph 1 of the Detailed Description (i.e., the first full paragraph on page 6 of the Substitute Specification, which was subsequently amended by Applicant's submission dated December 23, 2004) as follows:

--Referring to Fig. 1, the method according to the present invention maps a functioning of the byte code program (102a) by a potentially infinite state transition system (102b) onto a finite state transition system (102c) using an algorithm describing first properties of byte code instructions (block 102). A state space (104a) of an interpreter is mapped onto a finite set of states(104b) in the finite state transition system (104c)~~(102c)~~, information not needed for a checking of an acceptability of the byte code program being omitted, so that the finite state transition system contains only type information useable for the checking of the acceptability of the byte code program (block 104). The type information useable for the checking of the acceptability of the byte code program is entered into a model checker (block 106). Second properties which characterize an acceptable byte code program are determined using a logic operation including formulas (block 108). The determined second properties which characterize an acceptable byte code program are entered as conditional set into the model checker, the conditional set including a